Quarterly Report – Public Page

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Prepared for: **U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration**
Project Title: **Improvements to the External Corrosion Direct Assessment (ECDA) Process (WP#360): Cased Pipes**
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An advisory committee was formed to identify methodologies for assessing cased pipes for external corrosion and to identify solutions for controlling external corrosion on cased pipes. The committee is comprised of members from PHMSA, pipeline industry organizations, pipeline operating companies and pipeline service companies. The assessment methodologies and corrosion solutions are to be identified by Corrpro by collecting pertinent information from previous research, and by obtaining knowledge and experience from pipeline operators and pipeline service companies. Information, knowledge and experience are to be used to develop guidelines and recommendations for a Cased Pipe External Corrosion Direct Assessment methodology. These guidelines and recommendations are to be provided to industry standards organizations for development into recommended practices. The first formal meeting of the advisory committee was held on November 12, 2008, in Corrpro's Houston, Texas, office. Committee members that could not attend in person joined the meeting by teleconference. Additionally, brief web based presentations were made by various meeting attendees. Arrangements are to be made for the next formal meeting of the advisory committee to take place during NACE Expo 2009 in Atlanta, Georgia, in March 2009.

Corrpro is continuing to identify technologies that can be used to assess cased pipes. Identified technologies will be included in the guidelines and recommendations for Cased Pipe External Corrosion Direct Assessment methodology that will be provided to standards organizations for development into recommended practices. Technologies identified thus far include inline inspection, guided wave ultrasonic, electromagnetic wave, pulsed eddy current, conformable array and bore scope. Additionally, ECDA technologies typically employed for buried pipe that may be employed on cased pipes are being identified.

Corrpro is continuing to obtain information related to cased pipes from pipeline operator project team members. The information will be used to for statistical analysis of Cased Pipe ECDA methodology testing. Along with this effort, Corrpro is identifying buried pipe ECDA work it has performed where other technologies (such as inline inspection and guided wave ultrasonic) were used to assess corrosion damage to buried and cased pipe.

During the next quarter, Corrpro will produce draft reports of the findings of work performed through this quarter. Draft reports will include reports for identified assessment technologies and for field testing and inspection protocols. Additionally, work will begin on determining the effectiveness of existing assessment technologies.